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 Sunday June 14, 2026
 

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Full day Arrivals & Registration  
 18:30-21:30 Welcome Reception

 Monday June 15, 2026
 

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8:45-9:00	<b>Opening Ceremony</b>		
	Mingsheng Zhan	Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	
<b>Session I</b>	Chair:Hans Bacher	Australian National University	
	<b>Fundamental quantum mechanics with ultracold atom</b>		
9:00-9:35	Wolfgang Ketterle	Massachusetts Institute of Technology	01
	<b>Many-Body Chemical Reactions with Molecular Matterwaves</b>		
9:35-10:00	Cheng Chin	University of Chicago	02
	<b>Quantum Simulation of the fermionic Hubbard model</b>		
10:00-10:25	Yu-Ao Chen	University of Science and Technology of China	03
10:25-11:00	<b>Coffee Break</b>		
<b>Session II</b>	Chair:Gordon Drake	University of Windsor	
	<b>Non-Gaussian statistics and universal scaling behavior across a phase transition</b>		
11:00-11:35	David Clément	Université Paris-Saclay	04
	<b>Unified theory for localization physics in quasiperiodic lattices</b>		
11:35-12:00	Xiongjun Liu	Peking University	05
	<b>TBD</b>		
12:00-12:25	Hanns-Christoph Nägerl	University of Innsbruck	06
12:25-14:00	<b>Buffet Lunch</b>		
<b>Session III</b>	Chair:Gabriele Ferrari	University of Trento	
	<b>TBD</b>		
14:00-14:35	James Thompson	University of Colorado	07
	<b>Single spin magnetic resonance by microwave photon counting</b>		
14:35-15:10	Emmanuel Flurin	Université Paris-Saclay	08
15:10-15:45	<b>Coffee Break</b>		
<b>Session IV</b>	Chair:Zong-chao Yan	University of New Brunswick	
	<b>Forbidden transitions for fundamental physics</b>		
15:45-16:20	Dmitry Budker	Helmholtz Institute Mainz, UC Berkeley	09
	<b>Precision tests of the standard model at low energies using stored exotic ions in penning traps</b>		
16:20-16:55	Klaus Blaum	Max Planck Institute for Nuclear Physics	10
16:55-19:00	<b>Poster Session</b>		
19:00-20:00	<b>Buffet Dinner</b>		

 Tuesday June 16, 2026
 

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<b>Session I</b>	Chair:Holger Mueller	University of California, Berkeley	
	<b>Remembering Daniel Kleppner as a scientist, a teacher and a statesman of science</b>		
9:00-9:45	Serge Haroche	L'École Normale Supérieure (ENS)	11
	<b>Quantum Sensing in Space for Fundamental Physics and Earth Observation</b>		
9:45-10:10	Naceur Gaaloul	Leibniz University Hannover	12
	<b>Research progress of cold atom interferometer on China Space Station</b>		
10:10-10:35	Xi Chen	Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	13
10:35-11:10	<b>Coffee Break</b>		
<b>Session II</b>	Chair:Naceur Gaaloul	Leibniz University Hannover	
	<b>ACES preliminary results</b>		
11:10-11:35	Luigi Cacciapuoti	European Space Agency	14
	<b>TBD</b>		
11:35-12:00	Shougang Zhang	National Time Service Center of the Chinese Academy of Sciences	15
	<b>A two-stage cooling of quantum gases below 10 picokelvin in space</b>		
12:00-12:25	Xuzong Chen	Peking University	16

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12:25-14:00	<b>Buffet Lunch</b>		
<b>Session III</b>	Chair:Ernst Rasel	Leibniz University Hannover	
14:00-14:35	<b>Quantum simulation, quantum learning, and quantum sensing with programmable atomic systems</b>	Peter Zoller	University of Innsbruck ..... 17
14:35-15:10	<b>Quantum Network: quantum communication, computation, and metrology</b>	Jianwei Pan	University of Science and Technology of China ..... 18
15:10-15:45	<b>Coffee Break</b>		
<b>Session IV</b>	Chair:Augusto Smerzi	European Laboratory for Non-Linear Spectroscopy	
15:45-16:20	<b>TBD</b>	Jun Ye	JILA, University of Colorado ..... 19
16:20-16:55	<b>Progress in nuclear laser spectroscopy of thorium-229</b>	Ekkehard Peik	Physikalisch-Technische Bundesanstalt (PTB) ..... 20
16:55-19:00	<b>Poster Session</b>		
19:00-22:00	<b>Conference Dinner</b>		

## Wednesday June 17, 2026

<b>Session I</b>	Chair:Xing-Can Yao	University of Science and Technology of China	
9:00-9:35	<b>Emergence of order in homogeneous Bose gases</b>	Zoran Hadzibabic	University of Cambridge ..... 21
9:35-10:00	<b>Spin nematic squeezing and three-outcome bell correlator</b>	Li You	Tsinghua University ..... 22
10:00-10:25	<b>In situ observation of excitations in a spin-orbit-coupled supersolid</b>	Leticia Tarruell	ICFO - The Institute of Photonic Sciences ..... 23
10:25-11:00	<b>Coffee Break</b>		
<b>Session II</b>	Chair:Jun Ye	JILA, University of Colorado	
11:00-12:25	<b>Panel Discussion</b>		
12:25-14:00	<b>Buffet Lunch</b>		
14:00-18:30	<b>Free Discussion &amp; Excursions</b>		
18:30-20:00	<b>Buffet Dinner</b>		

## Thursday June 18, 2026

<b>Session I</b>	Chair:Peng Xu	Innovation Academy for Precision Measurement Science and Technology, Chinese Academy of Sciences	
9:00-9:35	<b>Entangling atomic qubits over short and long distances</b>	Mark Saffman	University of Wisconsin-Madison ..... 24
9:35-10:00	<b>TBD</b>	Giacomo Roati	CNR-INO, LENS ..... 25
10:00-10:25	<b>Aperiodic many-body quantum matter produced in an ultra-cold quantum degenerate plasma: Direct observation of fractional elementary charges</b>	Klaus Muller-Dethlefs	The University of Manchester ..... 26
10:25-11:00	<b>Coffee Break</b>		
<b>Session II</b>	Chair:Chaohong Lee	Shenzhen University	
11:00-11:35	<b>TBD</b>	Tobias J. Kippenberg	EPFL-Swiss Federal Institute of Technology Lausanne ..... 27
11:35-12:00	<b>Quantum Spin Dynamics and its cutting-edge applications in quantum technologies</b>	Xinhua Peng	University of Science and Technology of China ..... 28
12:00-12:25	<b>Sub-part-per-trillion test of the Standard Model with atomic hydrogen</b>	Randolf Pohl	Johannes Gutenberg University Mainz ..... 29

